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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,192	05/18/2005	Kimiyoshi Kobayashi	SEM-0005	3875
	7590 04/02/200 IAN & GRAUER PL I	EXAMINER		
LION BUILDI	NG	WILLS, MONIQUE M		
1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036		001	ART UNIT	PAPER NUMBER
			1795	
			MAIL DATE	DELIVERY MODE
			04/02/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/535,192	KOBAYASHI ET AL.		
Office Action Summary	Examiner	Art Unit		
	Monique M. Wills	1795		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	PATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tinwill apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
Responsive to communication(s) filed on 18 № 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowated closed in accordance with the practice under N	s action is non-final. ince except for formal matters, pro			
Disposition of Claims				
4) Claim(s) 1-27 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-27 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 18 May 2005 is/are: a Applicant may not request that any objection to the	er. In accepted or b) objected to lead accepted. In accepted or beld in abeyance. See	e 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E:		, ,		
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5/18/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate		

DETAILED ACTION

Information Disclosure Statement

The information disclosure statements filed May 18, 2005 has/have been received and complies with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609. Accordingly, the information disclosure statement(s) is/are being considered by the examiner, and an initial copied is attached herewith.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-27 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is unclear as to whether the claims are intended to be product or method claims. The claims require a fuel cell optimum operating point tracking system and recites methods steps including monitoring, tracking optimum operating point through a maximum power monitoring, allowing the fuel cell maximum power search function to

operate so as to monitor the power state' giving minimal voltage change at around the current operating voltage value. Specifically Applicant claims:

A fuel cell optimum operating point tracking system used in a power source device powered by a fuel cell, configured so as to improve the responsiveness thereof by monitoring the power state while varying the output voltage of said fuel cell, and by allowing said fuel cell to start operation at an input voltage corresponded to a maximum power point thereof, comprising: a fuel cell maximum power search function; and a fuel cell optimum operating point tracking function capable of tracking an optimum operating point through maximum power monitoring, by allowing said fuel cell maximum power search function to operate so as to monitor the power state to thereby keep the power source operation constant at a stable condition, and additionally giving a minimal voltage change at around the current operating voltage value.

There appears to be a method, but there are no structural components in the product claims. For example, Applicant is claiming "a fuel cell maximum power search function" this is an element of the operating point tracking system, but there appears to be no mechanical parts or means to operate the device.

Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Monique Wills whose telephone number is (571) 272-1309. The Examiner can normally be reached on Monday-Friday from 8:30am to 5:00 pm.

If attempts to reach Examiner by telephone are unsuccessful, the Examiner's supervisor, Patrick Ryan, may be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Art Unit: 1795

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/Monique M Wills/ Examiner, Art Unit 1795

/PATRICK RYAN/ Supervisory Patent Examiner, Art Unit 1795